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<b>Substitute for form 1449A/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	10/731,093-Conf.#4509
				Filing Date	December 10, 2003
				First Named Inventor	Yong Cheol PARK
				Art Unit	2627
				Examiner Name	P. H. Gupta
Sheet	1	of	1	Attorney Docket Number	0465-1109P

U.S. PATENT DOCUMENTS					
Examiner Initials *	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	AA*	US-4,963,866	10-16-1990	Duncan	
	AB*	US-2005/0207262-A1	09-22-2005	Terada et al.	
	AC*	US-2005/0008346-A1	01-13-2005	Noguchi et al.	
	AD*	US-4,558,446	12-10-1985	Banba et al.	
	AE*	US-7,161,879-B2	01-09-2007	Hwang et al.	
	AF*	US-7,236,687-B2	06-26-2007	Kato et al.	
	AG*	US-5,878,020-A	03-02-1999	Takahashi	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
	BA	JP-2005-004912-A	06-01-2005			√

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>

Examiner Signature	Date Considered
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